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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: SANG MIN LEE

Serial No.: 09/940,210

Group Art Unit: 2674

Title: COMPACT KEYBOARD FOR HANDHELD COMPUTER

Examiner: DUC Q DINH

## AMENDED APPELLANT'S BRIEF

This brief is in furtherance of the Notice of Appeal filed in this case on November 30, 2005. This Brief is being filed in response to an office communication dated 6/30/2005. The brief is transmitted in triplicate as required under 37 C.F.R. §1.192(a)). THIS BRIEF WAS AMENDED IN RESPONSE TO OFFICE COMMUNICATION DATED 11/16/2008. I AM REQUESTED 1 MONTH EXTENSION. The office communication requested the Appendix of claims. According to the record, the attached claims are the final claims that were submitted to the examiner on 11/30/2005

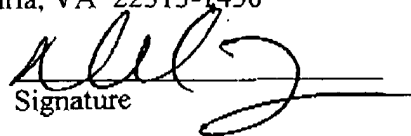
## CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10

I hereby certify that, on the date shown below, this correspondence is being: Deposited with the United States Postal Service by facsimile to Mail Stop Appeal Brief, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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APPENDIX OF CLAIMS**IN THE CLAIMS**

1. (Previously Presented) A handheld computerized device comprising:

a keyboard portion having a support base and a keypad, the support base defined by a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the keypad overlaying the top surface of the support base;

an electronic housing having a configuration defined by a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the front edge of the electronic housing being hingedly coupled to the front edge of the support base such that the electronic housing can pivot from a closed position into an open position wherein the bottom surface of the electronic housing is parallel to the bottom surface of the support base;

a pair of hand support means being securely attached at an ergonomic position along each side edge of the electronic housing, whereby a user's left hand or right hand or both hands are supported while the user is typing on the keypad;

a means for displaying data overlaying the top surface of the electronic housing; and

a processor situated within the electronic housing, the processor electrically connected to the display means and the keyboard portion whereby data entered at the keypad is transmitted to the processor and displayed by the display means; and

a first and a second section having a plurality of alphanumeric keys each adapted to generate a character signal upon depression thereof, each section being in the form of complementary symmetrical or asymmetrical parabolas;

the first and the second section lying co-planar vertically parallel along the top surface of the support base of the keyboard portion;

2. (Previously Presented) The device recited in Claim 1, wherein the keypad further comprises:

~~a first and a second section having a plurality of alphanumeric keys each adapted to generate a character signal upon depression thereof, each section being in the form of complementary symmetrical or asymmetrical parabolas;~~

~~the first and the second section lying co-planar vertically parallel along the top surface~~

~~of the support base of the keyboard portion;~~

the first section of the keypad being arranged in the standard QWERTY keyboard format for the left hand; and

the second section of the keypad being arranged in the standard QWERTY keyboard format for the right hand.

3. (original) The device recited in Claim 1, wherein the display means further comprises:

a display area defined by a top edge, bottom edge, and a pair of side edges;

a front panel surrounding the display area and being defined by a top strip, a bottom strip, and a pair of side strips; and

each edge of the display area lying adjacent to and being securely attached to each corresponding strip of the display area.

4. (Previously Presented) The device recited in Claim 3 wherein the display area is a Liquid ~~Crystals~~ Crystal Display (LCD).

5. (original) The device recited in Claim 3, wherein the bottom strip and each side strip of the front panel further comprises:

a plurality of additional alphanumeric keys each adapted to generate a character signal upon depression thereof; and

a means for electrically connecting the plurality of additional alphanumeric keys to the processor whereby each generated character signal is transmitted to the processor.

6. (original) The device recited in Claim 1, further comprising:

a pressure sensitive writing means for allowing data to be inputted via handwriting; and

the pressure sensitive writing means overlapping the bottom edge of the display area.

7. (currently amended) A handheld computerized device comprising:

a keyboard portion having a support base and a keypad, the support base including a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the keypad overlaying the top surface of the support base;

an electronic housing having a configuration with a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the bottom surface of the electronic housing being securely attached to the bottom surface of the keyboard portion in an operable position;

a pair of hand support means being securely attached at an ergonomic position along each side edge of the electronic housing, whereby a user's left hand or right hand or both hands are supported while the user is typing on the keypad;  
 a means for displaying data overlaying the top surface of the electronic housing; and  
 a processor situated within the electronic housing, the processor electrically connected to the display means and the keyboard portion whereby the data entered at the keypad is transmitted to the processor and displayed by the display means.

8. (original) The device recited in Claim 7, wherein the keypad further comprises:
  - a first and a second section having a plurality of alphanumeric keys each adapted to generate a character signal upon depression thereof, each section being in the form of complementary symmetrical or asymmetrical parabolas;
  - the first and second section lying co-planar vertically parallel along the top surface of the support base of the keyboard portion;
  - the first section of the keypad being arranged in the standard QWERTY keyboard format for the left hand; and
  - the second section of the keypad being arranged in the standard QWERTY keyboard format for the right hand.
9. (original) The device recited in Claim 7, wherein the display means further comprises:
  - a display area defined by a top edge, bottom edge, and a pair of side edges;
  - a front panel surrounding the display area and being defined by a top strip, a bottom strip, and a pair of side strips; and
  - each edge of the display area lying adjacent to and being securely attached to each corresponding strip of the display area.
10. (Previously Presented) The device recited in Claim 9 wherein the display area is a Liquid Crystals Crystal Display (LCD).
11. (original) The device recited in Claim 10, wherein the bottom strip and each side strip of the front panel further comprises:
  - a plurality of additional alphanumeric keys each adapted to generate a character signal upon depression thereof; and
  - a means for electrically connecting the plurality of additional alphanumeric keys to the processor whereby each generated character signal is transmitted to the processor.

12. (original) The device recited in Claim 7, further comprising:

a pressure sensitive writing means for allowing data to be inputted via handwriting;  
and

the pressure sensitive writing means overlapping the bottom edge of the display area.

13. (currently amended) A handheld computerized device comprising:

a sliding bracket having a pair of guide members;

a keyboard portion having a support base and a keypad, the support base including a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the pair of side edges being adapted to slide into the pair of guide members in an operable state or in a closed state, the keypad overlaying the top surface of the support base;

an electronic housing having a configuration with a top surface, a bottom surface, a rear edge, a front edge, and a pair of side edges, the pair of side edges being integrally coupled to the pair of guide members;

a pair of hand support means being securely attached at an ergonomic position along each side edge of the electronic housing, whereby a user's left hand or right hand or both hands are supported while the user is typing on the keypad;

in the operable state, the side edges of the support base are adapted to slide into the guide members such that the bottom surface of the support base and the bottom surface of the electronic housing are parallel to each other;

in the closed state, the side edges of the support base are adapted to slide into the guide members such that the keypad faces the top bottom surface of the electronic housing

a means for displaying data overlaying the top surface of the electronic housing; and  
a processor situated within the electronic housing, the processor electrically connected to the display means and the keyboard portion whereby the data entered at the keypad is transmitted to the processor and displayed by the display means.

14. (original) The device recited in Claim 13, wherein the keypad further comprises:

a first and a second section having a plurality of alphanumeric keys each adapted to generate a character signal upon depression thereof, each section being in the form of complementary symmetrical or asymmetrical parabolas;

the first and second section lying co-planar vertically parallel along the top surface of the support base of the keyboard portion;

bottom surface of the electronic housing is parallel to the bottom surface of the support base;  
a pair of hand support means being securely attached at an ergonomic position along each side edge of the electronic housing, whereby a user's left hand or right hand or both hands are supported while the user is typing on the keypad.

20. (Previously Presented): The device recited in Claim 19, wherein the keypad further comprises:  
a first and a second section having a plurality of alphanumeric keys each adapted to generate a character signal upon depression thereof, each section being in the form of complementary symmetrical or asymmetrical parabolas,  
the first and the second section lying co-planar vertically parallel along the top surface of the support base of the keyboard portion;  
the first section of the keypad being arranged in the standard QWERTY keyboard format for the left hand; and  
the second section of the keypad being arranged in the standard QWERTY keyboard format for the right hand.
21. (Previously Presented) The device recited in Claim 19 wherein the display means further comprises:  
a display area defined by a top edge, bottom edge, and a pair of side edges;  
a front panel surrounding the display area and being defined by a top strip, a bottom strip, securely attached to each corresponding strip of the display area.
22. (Previously Presented): The device recited in Claim 21 wherein the display area is a Liquid Crystal Display (LCD).
23. (Previously Presented): The device recited in Claim 21 wherein the bottom strip and each side strip of the front panel further comprises:  
a plurality of additional alphanumeric keys each adapted to generate a character signal upon depression thereof;  
a means for electrically connecting the plurality of additional alphanumeric keys to the processor whereby each generated character signal is transmitted to the processor.
24. (Previously Presented) The device recited in Claim 19 further comprising :  
a pressure sensitive writing means for allowing data to be inputted via handwriting; and  
the pressure sensitive writing means overlapping the bottom edge of the display area.